

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**PATENT APPLICATION**

**APPLICANT(S):** Yuan-Chi Chang  
Matthew L. Hill

"Express Mail" Label No. EV312780015US  
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**ASSIGNEE  
NAME:** International Business  
Machines Corporation

Date of Deposit: September 23, 2003

Signature: V. Benicivelli

**ASSIGNEE  
RESIDENCE:** Armonk, New York

**TITLE:** Methods and Apparatus for Query Rewrite with  
Auxiliary Attributes in Query Processing Operations

**COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450**

**SIR:**

Enclosed are the following papers relating to the above-named application for patent:

Application - 9 pages of Specification, 4 pages of Claims and 1 page of Abstract  
6 Sheets of informal drawing(s)  
Declaration and Power of Attorney  
Assignment and Recordation Form Cover Sheet

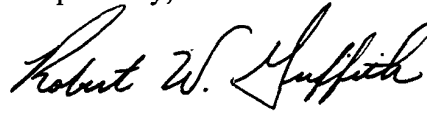
CLAIMS AS FILED				
	NO. FILED	NO. EXTRA	RATE	CALCULATIONS
Total Claims	21-20 =	1	x \$18 =	\$18
Independent Claims	3-3 =	0	x \$84 =	\$0
Multiple Dependent Claim(s), if applicable			\$280 =	\$0
Basic Fee				\$750
			<b>TOTAL FEE:</b>	<b>\$768</b>

Please file the application and charge **International Business Machines Corporation Deposit Account No. 50-0510** the amount of \$808 (which includes \$768 to cover the filing fee and \$40 to cover the Assignment recordation fee). In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0510** as required to correct the error. Duplicate copies of this letter are enclosed.



Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 90 Forest Avenue, Locust Valley, New York 11560**. Telephone calls should be made to the undersigned attorney at (516) 759-4547.

Respectfully,

A handwritten signature in black ink, reading "Robert W. Griffith". The signature is fluid and cursive, with the first name "Robert" and last name "Griffith" clearly legible.

Date: September 23, 2003

Robert W. Griffith  
Reg. No. 48,956  
Attorney for Applicant(s)  
Ryan, Mason & Lewis, LLP  
90 Forest Avenue  
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